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P.E.S. Polytechnic

People's Education Society's (Mumbai) Estd. - 1945

P.E.S. POLYTECHNIC

Approved by AICTE, DTE and Affiliated to MSBTE, Govt. of Maharashtra

Dr. Babasaheb Ambedkar Marathwada University Road,

Nagarkurnool, Chhatrapati Sambhaji Nagar,

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OUR EMANCIPATOR



"The People's Education Society's objective is not merely to give education, but to give education in such a manner as to promote intellectual, moral and social democracy. This is what modern India needs, and this is what all well-wishers of India must promote."

Hon'ble Dr. B. R. Ambedkar

M.A., Ph.D., M.Sc. (London), D.Sc. (London),
Barrister-at-Law, LL.D. (Columbia), D.Litt.
Founder Chairman



Members of Governing Body of The People's Education Society, Mumbai

Chairman

Hon'ble RAMDASJI ATHWALE

Minister of State for Social Justice & Impoverishment (Govt. of India)

Deputy Chairman

Padmashree Dr. SUKHDEO THORAT

Former UGC Chairman

Secretary

Dr. WAMAN ACHARYA

Members / Trustees

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Asst. Secretary

Dr. UMAJI MASKE

Executive Committee Member

CHANDRASHEKHAR KAMBLE

Principal and Asst. Secretary

Prof. TRIMBAK A. KADAM

P.E.S. Polytechnic,
Nagservana, Chhatrapati Sambhajinagar.

MESSAGE FROM THE CHAIRMAN

A Warm Welcome from the P.E.S. Polytechnic Family

It gives me immense pleasure to extend a heartfelt welcome to all students and Parents as you join the **People's Education Society** family. This is a valuable opportunity to reconnect, reflect, and reaffirm our shared commitment to **quality technical education** that shapes a brighter future for the next generation.

At **P.E.S. Polytechnic**, we take pride in offering a wide range of engaging and industry-relevant **diploma programs** across key engineering disciplines. Since our inception in **2010**, we have continuously strived to provide an education that not only builds professional competence but also nurtures values, ethics, and social responsibility.

We are deeply inspired by the ideals of the **Father of the Indian Constitution, Hon'ble Bharatratna Dr. Babasaheb Ambedkar**, and remain committed to upholding **democratic values, inclusivity, peace, and harmony** across our campus.

Our mission is not only to create skilled professionals but also to develop individuals who will contribute meaningfully to society. We believe that technical education must be a blend of academic rigor, hands-on training, and character development.

I am proud to share that our dedicated efforts have translated into success stories, both academically and professionally, and we remain committed to further raising the bar. We will continue to enhance our infrastructure, upgrade our teaching methodologies, and provide access to the **best resources and industry exposure** to help students realize their full potential.

As you begin this important journey with us, I assure you of our unwavering support in **shaping your career and enriching your life**.

Wishing you success, fulfillment and excellence in all your future endeavors.

Hon'ble Shri. Ramdas Athawale
Member of Parliament
Minister
State Ministry of Social Justice and
Empowerment.





FROM THE PRINCIPAL'S DESK

The People's Education Society (Mumbai) has its main objective to impart education. Our founder Chairman, Dr. Babasaheb Ambedkar, has devoted all his life for the upliftment of masses and visualized that only education can help them progress. He had dream to establish a Technical School in his development plan in the year 1945 in this Historical city. We are happy to see his dream came to fulfilled with the establishment of an Engineering college in 1994 and the Polytechnic institute in 2010.

We have developed excellent infrastructure in the educational environment of Nagsen Vana. The Polytechnic institute has all state-of-art laboratories to provide up-to-date knowledge and hands-on practice to the students. The faculty members develop students in such good professional with full of confidence.

We are taking continue effort and hard work for the best academic results, excellent support for co-curricular and extracurricular activities, and active interaction with industries. Promotion for Placement, Entrepreneurship skills, and higher studies depending upon the aptitude and potential of the students shall be our objective.

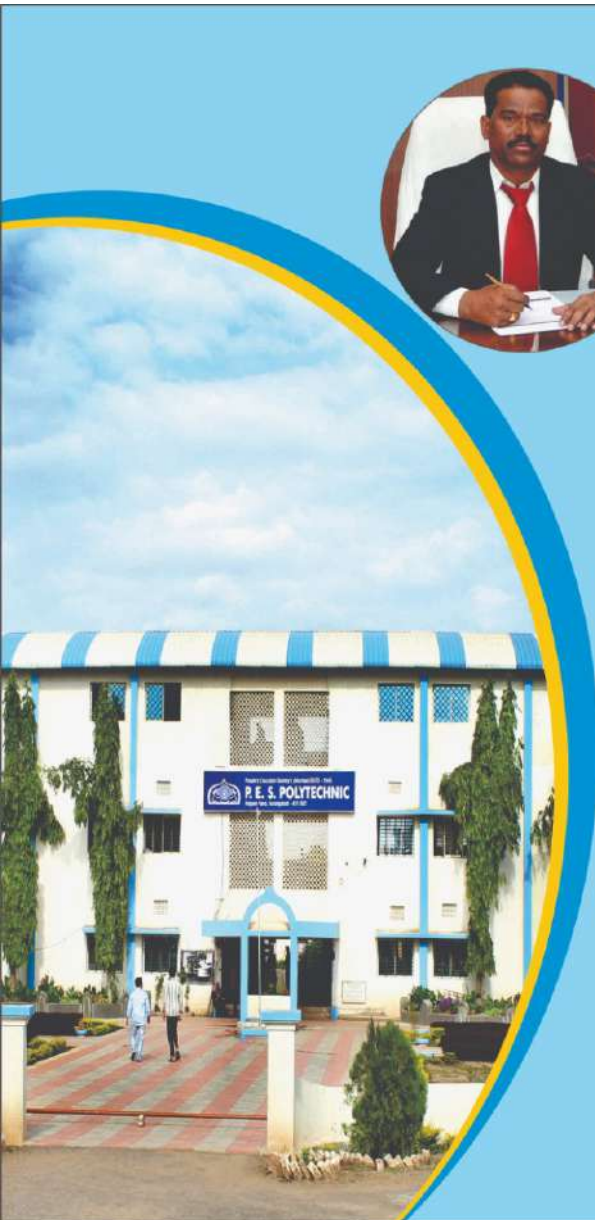
We are sure that our students will shine in all competitions, exhibiting their social and moral values and intellectual strength. Student-Teacher relationship on campus is very strong, and the teachers take keen interest in the overall development of the students.

We welcome the youth for making an Engineering career at our campus and March on the ethical path of technological development!

Principal

Prof. Trimbak A. Kadam

M.E. (CSE)



INTRODUCTION

People's Education Society, founded by Bharat Ratna Dr. Babasaheb Ambedkar in Mumbai in 08 July 1945, has a network of numerous Educational Institutions of higher learning in Maharashtra, Karnataka and Bihar.

The uniform appreciation and goodwill earned by this august society over a tumultuous period of 80 years, with its numerous schools and colleges in Mumbai, Pune, Bangalore, Mahad, Pandharpur, Aurangabad, Bodh Gaya, and Kolhapur as centers of learning, have opened up vistas of knowledge for the intellectually inclined, marching towards new fulfillment of enlightenment and wisdom.

P.E.S. started an Engineering College in the year 1994. The next achievement was the establishment of a polytechnic Institute in 2010 with five branches and a total intake capacity of 300 students in five core disciplines: Civil Engineering, Computer Engineering, Electrical Engineering, Electronics & Computer Engineering and Mechanical Engineering.

In addition, from the academic year 2025–2026, we have introduced a new diploma program in **Artificial Intelligence and Machine Learning** with an intake capacity of **120 students**, further expanding our commitment to future-focused, industry-ready education.

ABOUT P.E.S. POLYTECHNIC

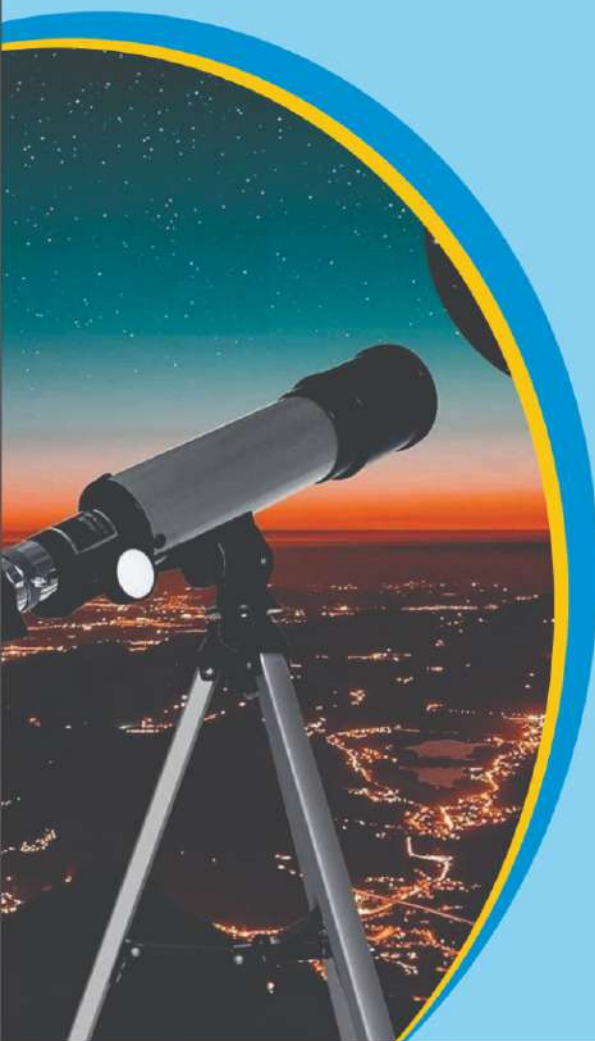
P.E.S. Polytechnic is established in the historic city of **Chh. Sambhaji Nagar (Aurangabad) Maharashtra in 2010**, with an aim to set a standard in technical education. It aims to provide greater opportunities to aspiring students to avail the best education.

Affiliated to Maharashtra State Board of Technical Education, Mumbai and approved by AICTE & DTE, the institute is committed to producing a large number of sound technocrats who will be counted among the best in technical fields and contribute meaningfully to society.

As on today, we have a total intake capacity of **480 students in 6 branches** for the first year. P.E.S. Polytechnic is committed to maintaining high academic standards with a specified computer ratio, digital library, and internet facility.

The institute is all set to make its mark and reach greater heights.





OUR VISION

“To be The Excellent Technical Institution in assurance of Quality and relevance of Technical Education to meet what modern India needs.”

OUR MISSION

- To provide state-of-art technical infrastructure and provide up-to-date knowledge and hands-on Practice to students to realize their own potential.
- To provide embellished academic and congenial environment to students for a complete learning experience.
- To promote intellectual, moral, and social democracy to ensure all-round development of students.

OUR POLICY

“P.E.S. Polytechnic is committed to provide quality Technical Education to the students enabling them to develop their competence to face the challenges of globalization and to meet the needs of industry and our society.”

OUR OBJECTIVES

- To promote quality conscious system of Technical Education, where excellence, relevance with global market needs.
- To facilitate building a technical education system as facilitators of human resources that will match the national goals of growth by competence, contribution to competitiveness and compatibility with social development.
- To set high standards and target at global and national stockpile of human capital in all fields of technical education.

ADMISSION FOR POST SSC DIPLOMA COURSES OFFERED

NAME OF THE COURSE	YEAR OF STARTING	SANCTIONED INTAKE	GENERAL CODE
Civil Engineering	2010	60	228719110
Computer Engineering	2010	120	228724510
Electrical Engineering	2010	60	228729310
Electronics & Computer Engineering	2010	60	228737210
Mechanical Engineering	2010	60	228761210
Artificial Intelligence (AI) and Machine Learning (ML)	2025	120	

FEE STRUCTURE

The eligible candidates, who are allotted a seat in any of the branches under any of the available quotas, have to pay the total fees and development fees as applicable at the time of admission. The fee structure is decided by the MSBTE Fees Fixation Committee constituted by the Government.

DURATION OF THE COURSES

All the programmes are of 3 years duration after SSC with a semester pattern, and 2 years duration after HSC.

RULES FOR CANCELLATION OF THE ADMISSION

The cancellation of admission and refund of fees will be as per the directives of the Directorate of Technical Education, Maharashtra State - Mumbai, from time to time and further modifications thereto. For more details, you may please visit the official website of the Directorate of Technical Education.

ELIGIBILITY CRITERIA FOR FIRST YEAR

Candidate should be an Indian National and should have passed the SSC (Std. X) examination of Maharashtra State Board of Secondary & Higher Secondary Education or its equivalent examination with a minimum of 35% marks in aggregate with subjects General Science / Physics & Chemistry, Mathematics / Algebra & Geometry, and English as per MSBTE/ DTE - Mumbai norms.

ELIGIBILITY CRITERIA FOR DIRECT SECOND YEAR ADMISSION

Candidate should be an Indian National and must have passed HSC Science / HSC Bifocal (Technical) / HSC Vocational (MCVC) of Higher Secondary Certificate (Std. XII) Examination of Maharashtra State Board of Secondary and Higher Secondary Education or its recognized equivalent.

OR

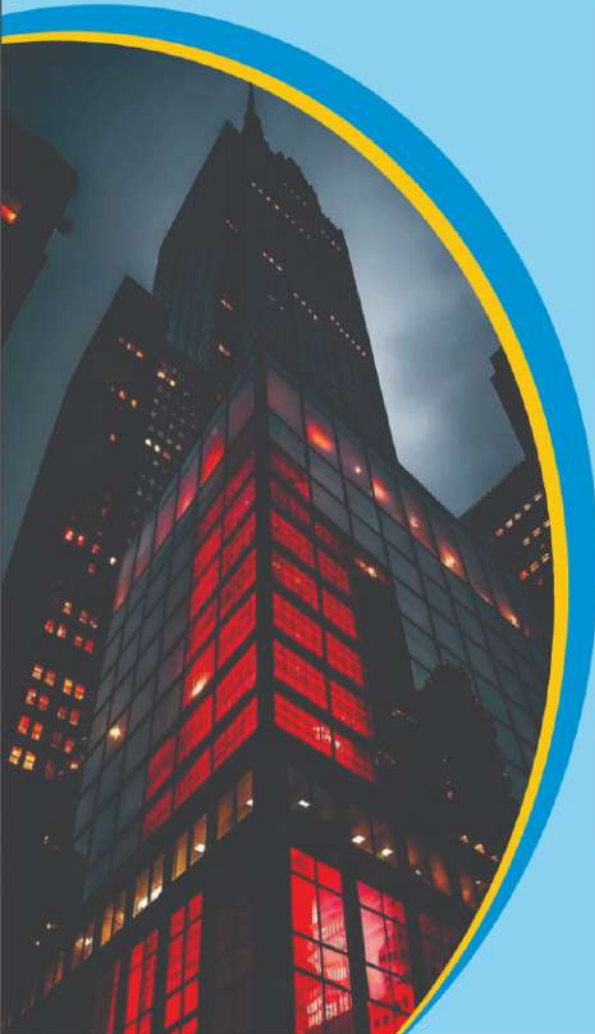
Candidate should be an Indian National and have passed SSC and 2-year duration ITI / ITI COE with three (3) modules and appropriate specialization from Maharashtra State.

Note :

Candidates passing HSC Science and HSC Bifocal (Technical) with Mathematics as a compulsory subject shall be considered together and shall be eligible for admission as per the merit. (Candidates with HSC Science without Mathematics shall not be eligible for admission.)

Candidates with HSC Vocational (MCVC) or 10+2 ITI / ITI COE should have passed SSC (10th Std.) or an equivalent examination with subjects English, Mathematics (Code 71), and Science (Code 72).

Student eligibility for specific branches of Diploma programmes shall be as per MSBTE guidelines.



► CIVIL ENGINEERING

• INTAKE CAPACITY - 60

• THE DEPARTMENT IS APPROVED BY AICTE

• WELL FURNISHED & EQUIPPED LABS

• EXPERIENCED FACULTY MEMBERS

Civil Engineering is a professional core Engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works such as bridges, roads, canals, dams, buildings and Tunnels.

Civil Engineering is the oldest engineering discipline, after military engineering. It is traditionally divided into several sub-disciplines, including Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering, Urban and Municipal Engineering, Water Resources Engineering, Material Engineering, Coastal Engineering, and Surveying and Construction Engineering.

Civil engineers have a wide range of career opportunities in both the public and private sectors, as well as opportunities for entrepreneurship and higher studies. Some prominent areas include:

- **Government Departments** (PWD, CPWD, NHAI, Railways, Irrigation, Urban Development)
- **Construction Companies** (L&T, Tata Projects, ShapoorjiPallonji, etc.)
- **Infrastructure Development Firms**
- **Real Estate and Land Development**
- **Consulting and Design Firms**
- **Environmental and Sustainability Projects**
- **Project Management and Planning**
- **Surveying and GIS Services**
- **Quality Control and Material Testing Labs**



► COMPUTER ENGINEERING

• INTAKE CAPACITY - 120

• THE DEPARTMENT IS APPROVED BY AICTE

• WELL FURNISHED & EQUIPPED LABS

• EXPERIENCED FACULTY MEMBERS

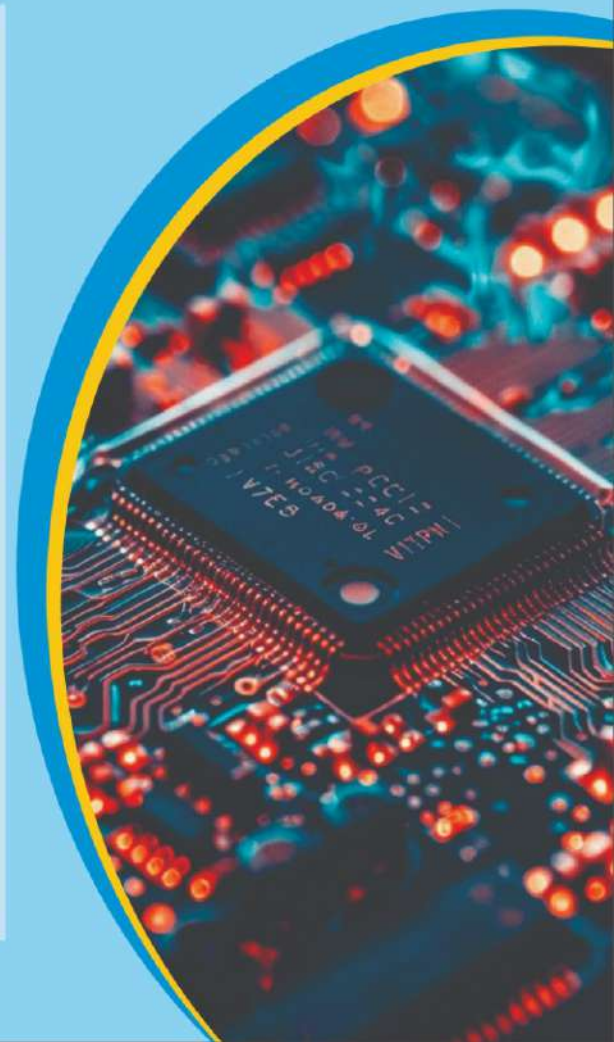
Amongst all the engineering branches, **Computer Science** has been found to be the most popular choice of students. Computer Science and Engineering diploma students can make a career in various areas like Web Designing, Computer Graphics, Video Games, Enterprise Computing, Embedded Systems, Network Administration, Mobile Applications, Computer Vision, Computer Security, Database Systems, Animation, Wireless Networks, etc.

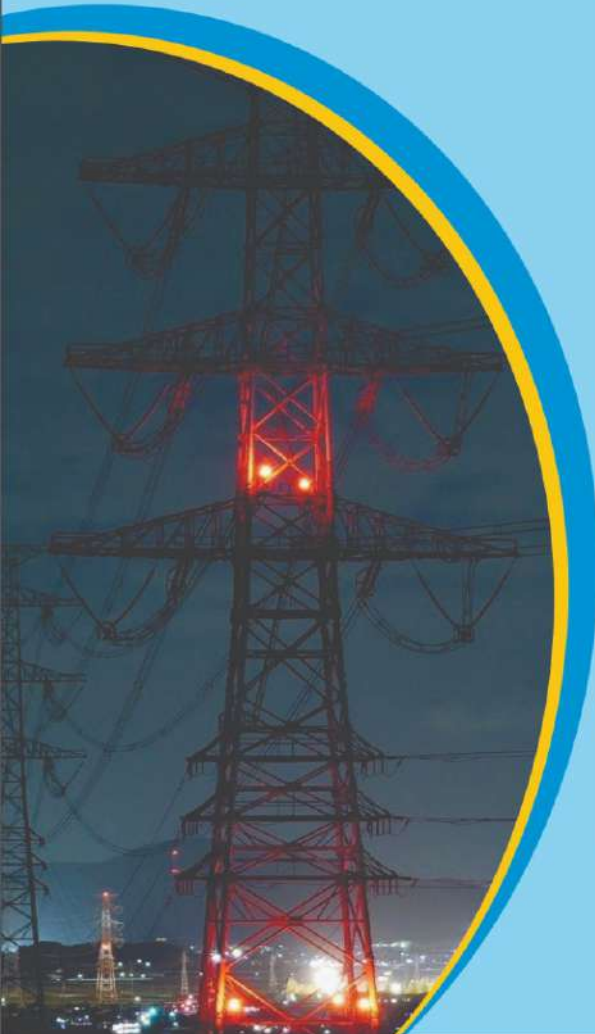
The **Department of Computer Engineering** has **state-of-art facilities** that allow individual students to complete assignments and practical projects as part of the curriculum. Every student is allotted an **individual computer system** to ensure hands-on experience and effective learning. The department also boasts an **Experienced, talented team of faculties** and **well-established labs** that support both academic and project-based learning.

Scope:

With the growing demand for technology professionals, diploma holders in Computer Engineering have vast opportunities to build careers in fields such as:

- Data Science
- Cybersecurity & Ethical Hacking
- Cloud Computing
- Mobile and Web Application Development
- UI/UX Design
- Software Testing & Quality Assurance
- IT Support & System Administration
- Internet of Things (IoT)
- Robotics & Automation
- Game Design and AR/VR Technologies





► ELECTRICAL ENGINEERING

• INTAKE CAPACITY - 60

• THE DEPARTMENT IS APPROVED BY AICTE

• WELL FURNISHED & EQUIPPED LABS

• EXPERIENCED FACULTY MEMBERS

The department has highly sophisticated laboratories with ultramodern equipment in all major fields of Electrical Engineering. State-of-the-art equipment is installed, and opportunities for creativity are available.

The faculty members of the department comprise a team of highly qualified, experienced, and dedicated staff, including industrial consultants and authors of academic books.

Our institute provides a vibrant environment for diploma education in Electrical Engineering. The Electrical Engineering branch collaborates with Industry which is encouraged to impart knowledge to our students.

Electrical Engineering offers a wide range of career pathways in both **public and private sectors**. Key career opportunities include:

- **Government Organizations**
(MSEDCL, MSETCL, Indian Railways, DRDO, ISRO, BHEL, NTPC, etc.)
- **Power Generation and Distribution Companies**
- **Electrical Equipment and System Design Firms**
- **Automation and Control Industries**
- **Renewable Energy Sector**
(Solar, Wind, Smart Grid Technologies)
- **Industrial Maintenance and Project Execution**
- **Building and Infrastructure Electrification Projects**
- **Telecommunication and Networking**
- **Manufacturing Industries and Process Plants**
- **Research and Development**
- **Entrepreneurship** (Electrical contracting, energy auditing, solar system installations, etc.)



► ELECTRONICS & COMPUTER ENGINEERING

• INTAKE CAPACITY - 60

• THE DEPARTMENT IS APPROVED BY AICTE

• WELL FURNISHED & EQUIPPED LABS

• EXPERIENCED FACULTY MEMBERS

The Department of Electronics & Computer Engineering has state-of-the-art facilities for individual students to complete assignments and practical projects as part of the curriculum. The department consists of an Experienced and talented team of faculties, well-established labs, and the most advanced instruments and kits.

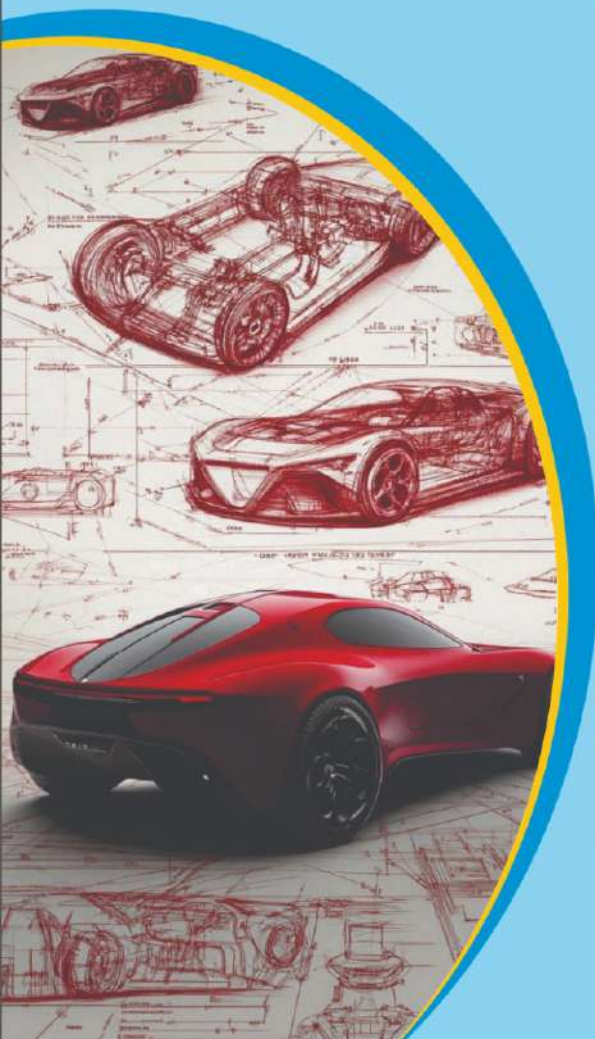
This course providing a strong foundation in Electronics & Computer Engineering can be acquired from our institute. Electronics is the technology associated with electronic circuits and systems, Hardware part and Simulation. The Electronics & Computer Engineering course provides enormous job opportunities in electronics and software companies.

Technocrats of Electronics & Computer Engineering have wide-ranging career prospects in both **electronics hardware** and **software development** sectors. Key areas include:

- Embedded Systems Design and Development
- VLSI Design and Microcontroller Programming
- Automation and Robotics
- Industrial Electronics and Instrumentation
- Networking and System Administration
- Mobile and Web Application Development
- Software Testing and Debugging
- IoT (Internet of Things) Systems
- IT Services and Software Companies
- Telecommunications and Signal Processing
- Government and Public Sector Enterprises (ISRO, DRDO, BEL, etc.)
- Entrepreneurship in electronics repair, service, and product development

Electronics & Computer Engineering remains a **high-potential career field**, blending innovation, logic, and creativity in both digital and physical domains.





► MECHANICAL ENGINEERING

- INTAKE CAPACITY - 60
- THE DEPARTMENT IS APPROVED BY AICTE
- WELL FURNISHED & EQUIPPED LABS
- EXPERIENCED FACULTY MEMBERS

The department has state-of-the-art infrastructure based on the latest upgraded syllabi. It has a Experienced, talented team of faculties and well-established labs. Expert lectures from industries and Expert field, seminars on personality development, and campus interviews are regularly organized. Personal attention is given to every student.

Mechanical Engineering is one of the core disciplines of engineering. It is often referred to as the 'mother' branch of engineering. Since Mechanical Engineering is the broadest of all engineering fields, the job prospects for skilled mechanical engineers are excellent and ever-expanding.

Diploma holders in Mechanical Engineering are trained to design, test, manufacture, install, operate, and maintain a wide array of machines and mechanical systems used in countless industries.

Mechanical engineering diploma holders have diverse career paths in both traditional and emerging sectors. Some key

- Automobile and Aerospace Industries
- Manufacturing and Production Plants
- Thermal Power Plants and Renewable Energy Projects
- Maintenance and Service Engineering
- Design and CAD/CAM Engineering
- HVAC and Refrigeration Systems
- Tool and Die Design
- Quality Control and Inspection
- Industrial Automation and Robotics
- Public Sector Units (PSUs) and Government Departments
- Defense and Railways



► ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

• INTAKE CAPACITY - 120

• THE DEPARTMENT IS APPROVED BY AICTE

• WELL FURNISHED & EQUIPPED LABS

• EXPERIENCED FACULTY MEMBERS

Artificial Intelligence and Machine Learning is a rapidly evolving engineering discipline that focuses on building intelligent systems capable of performing tasks that typically require human intelligence. These include learning, reasoning, problem-solving, perception, and natural language understanding.

AI and ML technologies are transforming industries such as healthcare, finance, robotics, manufacturing, and cybersecurity. This course is designed to equip students with foundational and advanced knowledge in algorithms, data structures, deep learning, neural networks, natural language processing, computer vision, Computing Systems, Simulations and big data analytics.

The program integrates core computer science with specialized AI/ML subjects and is supported by practical lab sessions and project-based learning.

Technocrat of this discipline is in high demand for roles such as,

- **AI Engineers**
- **Machine learning specialists**
- **Data scientists**
- **Research analysts**
- **Government sectors**





► APPLIED SCIENCE DEPARTMENT

- INTAKE CAPACITY - 60
- THE DEPARTMENT IS APPROVED BY AICTE
- WELL FURNISHED & EQUIPPED LABS
- EXPERIENCED FACULTY MEMBERS

The Applied Science Department serves as the foundational pillar for first-year polytechnic students by offering essential courses in subjects such as Applied Physics, Applied Chemistry, and Environmental Studies. The department is well-equipped with advanced laboratories and modern equipment to facilitate practical learning and experimentation.

Experienced faculty members guide students in understanding core scientific concepts, ensuring they gain a strong grounding in the basics before progressing to specialized engineering subjects. Additionally, the department conducts the Environmental Chemistry exam for second-year students, reinforcing the importance of environmental awareness and sustainable practices.

Furthermore, the Applied Science Department emphasizes the integration of theoretical knowledge with practical applications, preparing students for future technical challenges in their respective



INSTITUTIONAL COMMITTEES FOR STUDENT PROTECTION AND THEIR ENHANCEMENT

To ensure a safe, inclusive, and supportive campus environment, the institute has established the following statutory committees in accordance with **AICTE, DTE, and MSBTE rules and regulations.**

- **Vishakha Committee (Internal Complaints Committee)** for prevention of sexual harassment
- **Anti-Ragging Committee** to enforce a zero-tolerance policy on ragging
- **Disciplinary Committee** to maintain campus discipline and student conduct
- **Grievance Redressal Cell** for resolving student concerns and feedback
- **Counseling Cell** for mental health support and emotional well-being
- **Committee For SC-ST**
- **Training & Placement Cell**
- **Institute Innovation Cell (IIC)**

PLACEMENT AND CAREER SUPPORT

- Top Recruiters
- Domain-wise Internship Opportunities
- Pre-placement Talks and Industrial Visits
- Resume Building & Interview Simulation Programs
- Soft Skills, Business Communication, and Spoken English Training
- Career Counseling and Aptitude Test Sessions
- Alumni Network & Mentorship Programs
- Entrepreneurship Development Cell

INFRASTRUCTURE AND FACILITIES

- Modern Classrooms
- Well-equipped State-of-art Science and Engineering Labs
- Well-equipped State-of-art Workshops for Hands-on Training
- High-speed Internet-Enabled Computer Centers
- Digital Library with 11,164 Volumes and Titles, International & National Journals.
- Multi-sport Playground
- Campus-wide CCTV Surveillance and Security Staff
- Seminar Halls
- Green Campus Initiatives

STUDENT LIFE AND ACTIVITIES

- Cultural Clubs
- Annual Fest, Tech Fest, and Sports Meet
- Community Service & NSS/NCC Activities
- Hackathons, Coding Competitions, and Ideathons
- SPARK (State level Project Competition)
- IEDSSA
- SAPTA RANG (Social Annual Gathering)
- Girls Common Rooms